

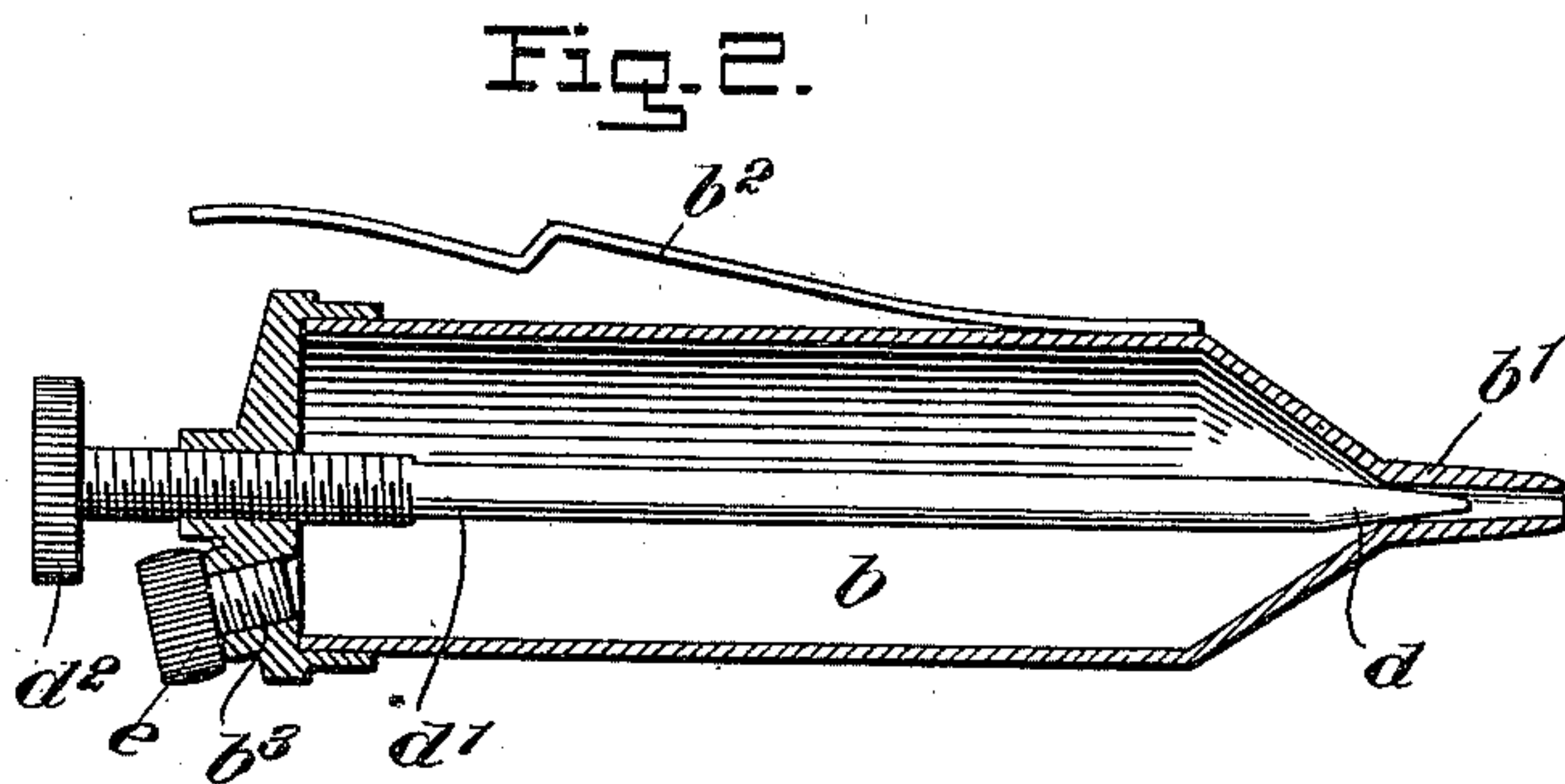
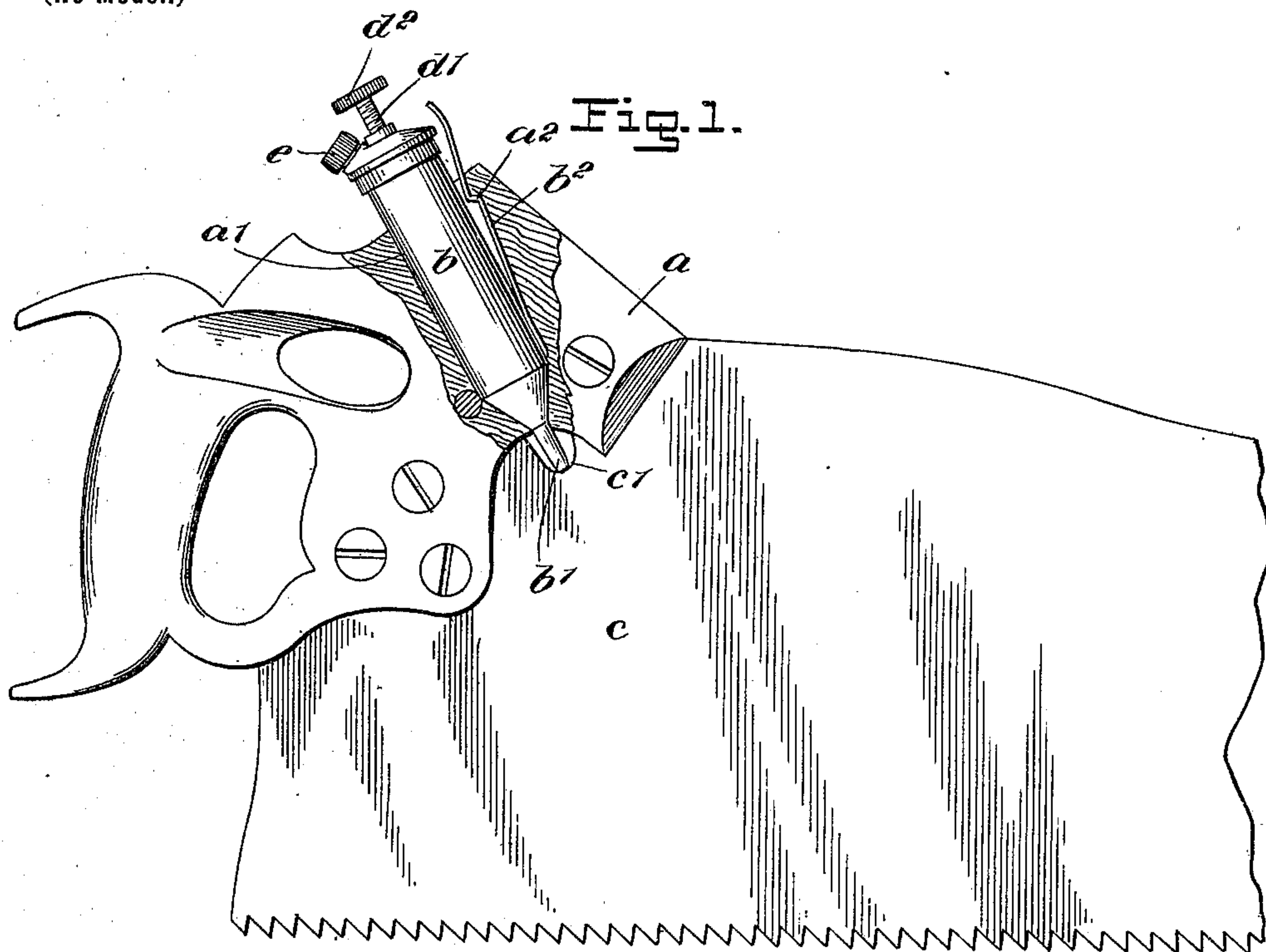
No. 672,767.

Patented Apr. 23, 1901.

F. O. HELSTEN.
SAW ATTACHMENT.

(Application filed Feb. 20, 1901.)

(No Model.)



WITNESSES:

James F. Duhamel.

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SAW ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 672,767, dated April 23, 1901.

Application filed February 20, 1901. Serial No. 48,092. (No model.)

To all whom it may concern:

Be it known that I, FRANS OSCAR HELSTEN, a citizen of the United States, and a resident of Laurium, in the county of Houghton and State of Michigan, have invented a new and Improved Saw Attachment, of which the following is a full, clear, and exact description.

The purpose of this invention is to provide a device for enabling one to keep a handsaw oiled during the use thereof.

To this end the invention comprises a peculiarly-constructed oil-receptacle fitted in the handle of the saw and having devices by which the oil may be caused steadily to flow over the saw-blade.

This specification is a specific description of one form of the invention, while the claims are definitions of the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both views.

Figure 1 is a side view of the invention applied to a saw, a part of the saw being broken away; and Fig. 2 is an enlarged section of the oil-reservoir.

The handle *a* of the saw has a cavity *a'* formed therein, in which is fitted the oil-reservoir *b*. This is preferably cylindrical in form and provided with a contracted discharge spout or nozzle *b'*, the mouth of which bears on the upper edge of the saw-blade *c*, a recess *c'* being cut in the saw for this purpose. (See Fig. 1.) The cavity *a'* has a shoulder *a²* formed on the upper side wall thereof, and with this shoulder engages a spring-lock *b²*, which is fastened to the reservoir *b* and is arranged yieldingly to engage the said shoulder *a²* to hold the reservoir in place. By pressing the lock *b²* inward toward the reser-

voir *b* the lock may be disengaged from the shoulder and the reservoir displaced.

The discharge-nozzle *b'* of the reservoir *b* is commanded by a needle-valve *d*, the stem *d'* of which is threaded and projected through the upper end or head of the reservoir *b*, the threads of the stem *d* engaging corresponding threads in the head of the reservoir. A thumb-wheel *d²* is attached to the outer end of the stem *d'* to permit the adjustment of the valve *d*, so as to regulate the flow of oil through the nozzle *b'*. The reservoir *b* is adapted to be supplied with oil through an orifice *b³* in the head thereof, and this orifice is commanded by a screw-plug *e*.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination with a handsaw, the blade of which is provided with a recess in its upper edge and the handle of which is provided with a cavity juxtaposed to the recess, of an oil-reservoir set in the cavity and having a discharge-nozzle bearing in the recess in the upper edge of the saw-blade, to feed the oil to the blade.

2. The combination of a handsaw, the handle of which is provided with a recess therein, said recess having a shoulder on one of its walls, and an oil-reservoir set in the recess and provided with a catch engaging the shoulder removably to hold the reservoir in place.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANS OSCAR HELSTEN.

Witnesses:

JOHN A. SIKANER,
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